THERMOCHIMA ACTA, VOLUME 168 (1990)

AUTHOR INDEX

Abdelrazig, B.E.I., 291
Ahmed, M.A., 25
Asuvathraman, R., 205

Barbieri, M., 143
Baruah, J.N., 9
Benson, G.C., 95
Bolvanovich, E.E., 211
Bonner, D.G., 291
Braibanti, A., 161
Buhl, J.Ch., 253

Casanova, C., 31
Cobos, J.C., 31
Crespi, M.S., 223, 283
Cruz, P.M., 283

Dass, N.N., 9
de Ávila Agostini, P.R., 273
de Castilho Agostini, E., 273
Dorofeeva, O.V., 179
Dransfield, J.M., 291
Dutta, N.N., 9

Egan, P.J., 291
El-Desoky Moustafa, M., 25
El-Sayed Badr, A., 25

Fisicaro, E., 143, 161

Gaponik, P.N., 211
Garcia, I., 31
Garcia, M.V., 127
Giolito, I., 223, 273, 283
Gonzalez, J.A., 31
Greci, L., 59
Gutierrez, M.D., 197

Haggag, S.S., 1

Ionashiro, M., 223, 273, 283
Ivashkevich, O.A., 211

Jerez, A., 53

Kutty, K.V.G., 205

Laly, S., 43
Lamb, J.D., 161
Lesnikovich, A.I., 211
Levchik, S.V., 211
Llópiz, J.C., 53
Löffler, D.G., 115
López, R., 187, 197
Lu, B.C.-Y., 95
Luger, S., 253

Marrosu, G., 59
Masoud, M.S., 1
Matos, J.S., 121, 127
Melguizo, M., 187
Melios, C.B., 223
Moiseeva, N.F., 179

Nagata, I., 233, 241
Nogueras, M., 187, 197
Nowell, D.V., 291

Ortega, J., 121, 127
Oscarson, J.L., 161

Palermo, A., 115
Parameswaran, G., 43
Pelizzetti, E., 143
Peña, J.A., 121
Pico, C., 53
Pomonis, P.J., 103

Quijano, M^{a}.L., 187

Rajagopalan, S., 205
Ribeiro, C.A., 223, 283
Rodante, F., 59
Romero, M.A., 197
Romero, M.M., 53
Rustschev, D.D., 261

Saikia, C.N., 9
Sallam, S.A., 1
Sánchez, A., 187, 197
Savarino, P., 143
Sdoukos, A.T., 103
Segal, E., 71
Sha'aban Salah, M., 25
Slanina, Z., 89

Tanimura, T., 241
Trazza, A., 59
Treszczanowicz, T., 95

Urbanovici, E., 71

Vaimakis, T.C., 103
van Vuuren, C.P.J., 135
Veiga, M.L., 53
Viscardi, G., 143
Vyazovkin, S.V., 211

THERMOCHIMA ACTA, VOLUME 168 (1990)

SUBJECT INDEX

Acetic acid
Thermodynamics of associated solutions. Excess enthalpies for acetic acid–non-polar component mixtures, 233
Thermodynamics of associated solutions. Vapour–liquid equilibrium and excess enthalpy for acetic acid–polar unassociated component mixtures, 241

n-Alkanes
Enthalpies of mixing at 298.15 K of a methyl alkanoate (from acetate to pentanoate) with *n*-alkanes (*n*-tridecane and *n*-pentadecane), 121

N-Alkylnicotinamide
Aqueous micellar solutions of some *N*-alkylnicotinamide and *N*-alkylpyridinium halide surfactants: apparent and partial molar enthalpies, 143

N-Alkylpyridinium halide
Aqueous micellar solutions of some *N*-alkylnicotinamide and *N*-alkylpyridinium halide surfactants: apparent and partial molar enthalpies, 143

Basic cobalt carbonate
Kinetic study by mass spectrometry of the decomposition of basic cobalt carbonate, 53

Benzaldazine
The electrical conductivity of benzaldazine and its *o*-, *m*- and *p*-hydroxy substituents, 25

$Ca(H_2PO_4)_2 \cdot H_2O$–$CaHPO_4 \cdot 2H_2O$ system
A detailed study of the condensation of the $Ca(H_2PO_4)_2 \cdot H_2O$–$CaHPO_4 \cdot 2H_2O$ system under thermal treatment, 103

α-Cellulose pulp
Thermal behaviour of high α-cellulose pulp from fast growing plant species and its acetylation product, 9

5-Chloro-4-β-glycopyranosylaminopyrimidine derivatives
Thermal and spectral study of 5-chloro-4-β-glycopyranosylaminopyrimidine derivatives, 187

Coke-chemical products
Application of thermal analysis for investigating liquid fuels, petroleum- and coke-chemical products, 261

Copper(II) thiosemicarbazone complexes
Thermal, spectral, ESR and magnetic studies of some copper(II) thiosemicarbazone complexes, 43

4,6-Diamino-1,2-dihydro-2-thiopyrimidine
Thermal decomposition of 4,6-diamino-1,2-dihydro-2-thiopyrimidine and its complexes with Co^{II}, Co^{III}, Ni^{IV}, and Cu^{II} ions, 197

Double selenates
Studies on double selenates. IX. Thermal decomposition of lanthanide of yttrium and magnesium double selenates, 273
Studies on double selenates. XI. Thermal decomposition of lanthanides of the ceric group and lithium double selenates, 283

n-Heptane
Kinetics of *n*-heptane desorption from pelletized zeolite 5A, 115

Hexanol isomers
Analysis of excess molar volumes of binary mixtures of toluene with the hexanol isomers at 298.15 K, 127

Hydration
Estimation of the degree of hydration in modified ordinary Portland cement pastes by differential scanning calorimetry. Part II, 291

Hydrocarbons
Prediction of excess functions of some multicomponent organic mixtures of hydrocarbons with a group contribution model, 31

Hydroxoborate sodalite
The properties of salt-filled sodalites. I. Thermal decomposition reactions of hydroxoborate sodalite, 253

Kojic acid
Thermodynamic parameters of ionization of Kojic acid and its coordinating behaviour towards transition metals, 1

Lanthanides
Thermal decomposition of hydrated selenites of trivalent lanthanides and yttrium, 223

Liquid fuels
Application of thermal analysis for investigating liquid fuels, petroleum- and coke-chemical products, 261

Macromolecules
Calculation of site enthalpy for binding of ligands and protons to macromolecules, 161

Methyl alkanoates
Enthalpies of mixing at 298.15 K of a methyl alkanoate (from acetate to pentanoate) with *n*-alkanes (*n*-tridecane and *n*-pentadecane), 121

$NaCrO_2$
A thermoanalytical study of the synthesis and oxidation of $NaCrO_2$, 135
Non-isothermal kinetics
Some problems concerning the temperature integral in non-isothermal kinetics. Part I. Generalities and some simple applications, 71

Pd–hydrogen
Translational heat capacity in small cubic boxes: a possible contribution to temperature heat capacity maximum in Pd–hydrogen systems, 89
2,5,8,11,14-Pentaoxapentadecane
Excess volumes for binary mixtures formed by 2,5,8,11-tetraoxadodecane or 2,5,8,11,14-pentaoxapentadecane with homologous *n*-alkanes, 95
Petroleum-chemical products
Application of thermal analysis for investigating liquid fuels, petroleum- and coke-chemical products, 261
2-Phenyl-3-arylimino-3*H*-indoles
Reaction entropy for the electroreduction of 2-phenyl-3-arylimino-3*H*-indoles in various aprotic solvents, 59
Poly-5-vinyltetrazole
Thermal decomposition of tetrazole-containing polymers. I. Poly-5-vinyltetrazole thermolysis, 211
Polycyclic aromatic hydrocarbons
Group additivity scheme for calculating the chemical thermodynamic properties of gaseous polycyclic aromatic hydrocarbons containing five-membered rings, 179
Portland cement
Estimation of the degree of hydration in modified ordinary Portland cement pastes by differential scanning calorimetry. Part II, 291
Pyrohafnates
Thermal expansion studies on some rare-earth pyrohafnates by high temperature X-ray powder diffractometry, 205

Selenites
Thermal decomposition of hydrated selenites of trivalent lanthanides and yttrium, 223

Temperature integral
Some problems concerning the temperature integral in non-isothermal kinetics. Part I. Generalities and some simple applications, 71
2,5,8,11-Tetraoxadodecane
Excess volumes for binary mixtures formed by 2,5,8,11-tetraoxadodecane or 2,5,8,11,14-pentaoxapentadecane with homologous *n*-alkanes, 95
Toluene
Analysis of excess molar volumes of binary mixtures of toluene with the hexanol isomers at 298.15 K, 127
Transition metals
Thermodynamic parameters of ionization of Kojic acid and its coordinating behaviour towards transition metals, 1
Translational heat capacity
Translational heat capacity in small cubic boxes: a possible contribution to temperature heat capacity maximum in Pd–hydrogen systems, 89

Yttrium
Thermal decomposition of hydrated selenites of trivalent lanthanides and yttrium, 223